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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/055,933	01/28/2002	Shih-Yuan Liu	BHT-3103-113	2725

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FALLS CHURCH, VA 22041

EXAMINER
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TRINH, SONNY

ART UNIT	PAPER NUMBER
2685	3

DATE MAILED: 05/24/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.

10/055,933

Applicant(s)

LIU, SHIH-YUAN

Examiner

Sonny TRINH

Art Unit

2685

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 28 January 2002.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-8 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-4, 6 and 8 is/are rejected.
- 7) ☒ Claim(s) 5 and 7 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 28 January 2002 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

## DETAILED ACTION

### *Claim Rejections - 35 USC § 103*

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

1. **Claims 1-4, 6,8** are rejected under 35 U.S.C. 103(a) as being unpatentable over QUE, Zhian ("Que"; World Document WO 01/80531).

Regarding claim 1, with reference to the abstract and figures 1-4, Que discloses a mobile phone for multiple SIM cards comprising at least a telephonic apparatus (figure 3), a battery (inherent), and a rear casing for covering said battery and connecting with said telephonic apparatus (figures 1,3); said mobile phone is characterized by that:

said rear casing has receiving capacity at least for loading of an electric circuit board, said electric circuit board has a plurality of connectors used for fixing a plurality of SIM cards (subscriber identification modules, figures 1-2), said SIM cards each forms a parallelly connected loop connected through a connecting point provided on said electric circuit board (figure 1); additionally, said electric circuit board has thereon a soft bus line to connect an extension card which is inserted in the position where said SIM cards are originally located in said telephonic apparatus, so that the communication loop of said telephonic apparatus is communicated with said electric circuit board by means of said extension card as an interface (figure 1, soft bus line 4). However, Que does not explicitly disclose a manually moved switch on the contrary side to that loaded

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with said SIM cards, when said manually moved switch is switched to said loop of one of said SIM cards of any system, the state of combination of said telephonic apparatus is communicated in the close state with the one of said card loops of said system.

However, the use of a switch to manually select one of the device is well known and would have been obvious for a person of ordinary skill in the art to incorporate a manual switch so that the user can select a SIM card among a plurality of cards. Such selection is well within the level of an ordinary skill in the art.

Regarding **claim 2**, the positioning of the switch is also well within the level of a person of ordinary skill in the art, the motivation for positioning the switch on the battery cover is to provide the switch only when the cover is adapted to hold the SIM card, thus extra labor and part are not needed if the telephone does not contain multiple SIM cards.

Regarding claim 3, Que discloses a mobile phone for multiple SIM cards comprising a telephonic apparatus (figure 3), a battery (inherent) and an electric circuit board mounted with a plurality of SIM cards (figure 3, circuit 2), said SIM cards each forms a parallelly connected loop connected through a connecting point provided on said electric circuit board (figure 2); additionally, said electric circuit board has thereon a soft bus line to connect an extension card which is inserted in the position where said SIM cards are originally located in said telephonic apparatus, so that the communication loop of said telephonic apparatus is communicated with said electric circuit board by means of said extension card as an interface (figure 1, soft bus 4); and an interface card is connected between said telephonic apparatus and said battery (figures 1, 2).

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Furthermore, Que discloses the interface card is provided centrally thereof with a receiving groove to receive said electric circuit board having thereon said SIM cards (see figure 1). However, Wen does not explicitly disclose a manually moved switch is provided on said interface card to select a desired one of said telephone systems, said manually moved switch is provided at an area near the tailing end of said telephonic apparatus.

However, the use of a switch to manually select one of the device is well known and would have been obvious for a person of ordinary skill in the art to incorporate a manual switch so that the user can select a SIM card among a plurality of cards. Such selection is well within the level of an ordinary skill in the art. It is further noted that the purpose of having different SIM cards is for the users to communicate through different telephone systems.

Regarding **claim 4**, Que does not disclose that the interface card is provided on the front side and the bottom side thereof with slide rails and slide grooves respectively in cooperation with said battery and said telephonic apparatus, thereby, said interface card is connected by sliding between said telephonic apparatus and said battery. However, the positioning of the switch is also well within the level of a person of ordinary skill in the art.

Regarding **claims 6 and 8**, Que does not disclose a plurality of upright hooks to hook the electric circuit board. However, the use of a hook to hold a card in place is well known and widely used in the art and the Examiner takes Official notice of such use so that the SIM card can be securely fastened onto the back cover.

***Allowable Subject Matter***

2. **Claims 5, 7** are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Regarding **claims 5 and 7**, the prior art provided numerous examples of telephone device with plurality of SIM card, but failed to disclose or fairly suggest the specific combination of structural and functional limitations set forth in claim 5, specifically, wherein, the interface card is provided symmetrically at areas near the tailing end of said telephonic apparatus with two grooves, said grooves each is provided with a spring leaf and an inclined guide piece, so that said interface card is adapted to sliding along the surfaces of said inclined guide piece taking advantage of said slide rails at two mutually opposite edges of the telephonic apparatus; finally, said interface card is locked and positioned by dropping to a plurality of abutting surfaces to prevent said slide rails from releasing in a backward direction, thus locking of said interface card is achieved.

**Conclusion**

**Any response to this action should be mailed to:**

Commissioner of Patents and Trademarks  
Washington, D.C. 20231

**or faxed to:**

(703) 872-9306, (for formal communications intended for entry, for informal or draft communications, please label "PROPOSED" or "DRAFT")

*Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA, 6<sup>th</sup> Floor (Receptionist).*

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sonny TRINH whose telephone number is 703-305-1961. The examiner can normally be reached on Monday-Thursday and on alternate Fridays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ed URBAN can be reached on 703-305-4385. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
**SONNY TRINH**  
**PATENT EXAMINER**

5/7/04